

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Atty. Dkt.: 2635-168  
 Date: August 22, 2003

U.S. PTO  
 10/645562  
 08/22/2003

Sir:

Attached for filing is the patent application of:

Inventor: KUROKAWA et al.

Entitled: ABNORMALITY DETECTING DEVICE FOR GAS SENSOR

and including attachments as noted below:

Newly executed Declaration,  Copy of Declaration from prior application,  Abstract  
 Please delete the following inventors in the continuation/division/continuation-in-part application:

Deleted persons:

51 pages of specification and claims (including 16 numbered claims), and  
 20 sheets of accompanying drawing/s.

Record the attached assignment to DENSO CORPORATION, Kariya-city, Japan and return to the undersigned.  
 Attached is a Power of Attorney.

Priority is hereby claimed under 35 U.S.C. § 119 based on the following foreign applications:

Application Number	Country	Day/Month/Year Filed
2002-251714	Japan	29 August 2002
2003-152815	Japan	29 May 2003

, respectively, the entire content of which is hereby incorporated by reference in this application..

Certified copy(ies) of foreign application(s) is/are attached.

Certified copy(ies) filed on \_\_\_\_\_ in prior appln. no. \_\_\_\_\_ filed \_\_\_\_\_  
 This application claims the benefit of Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_, the entire content of which is  
 hereby incorporated by reference in this application.

This application is a  continuation/ division/ continuation-in-part of Application No. \_\_\_\_\_, filed \_\_\_\_\_,  
 the entire content of which is hereby incorporated by reference in this application.

Petition filed in prior application to extend its life to insure co-pendency.  
 The prior application is assigned to

It is hereby requested that the Examiner consider the art cited in the parent application by applicant and/or the  
 Examiner for the reasons stated therein. A listing of that art is attached.

Applicant claims "small entity" status.  "Small entity" statement attached.

Please enter the attached and/or below preliminary amendment prior to calculation of filing fee:

Also attached:  Information Disclosure Statement;  Non-Publication Request;  Nucleotide and/or  
 Amino Acid Sequence Submission;  Statement deleting Inventor(s) named in prior application;  Other:  
 Form PTO-1449 and cited references

FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY HEREWITH CANCELED

Basic Filing Fee					
Total effective claims	16	- 20 (at least 20) =	0	x \$ 18.00	\$ 750.00
Independent claims	3	- 3 (at least 3) =	0	x \$ 84.00	\$ 0.00
If any proper multiple dependent claims now added for first time, add \$280.00 (ignore improper)					\$ 0.00
SUBTOTAL					\$ 750.00
If "small entity," then enter half (1/2) of subtotal and subtract					\$ (0.00)
SECOND SUBTOTAL					\$ 750.00
Assignment Recording Fee (\$40.00)					\$ 40.00
TOTAL FEE ENCLOSED					\$ 790.00

Any future submission requiring an extension of time is hereby stated to include a petition for such time extension.

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed,  
 or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140.  
 A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.  
 By Atty: Larry S. Nixon, Reg. No. 25,640

Signature: 